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Project Public buildings



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**Industrial polyurethane flooring system in
Kuwait cancer center, Kuwait.**

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ALCH M CA offers advanced flooring solutions that are tailored to meet the unique needs of healthcare facilities, securing their floors with durability, flexibility and high performance in demanding applications. Our sustainable systems guarantee indoor air quality, low VOC, durability and easy to clean maintenance as to be seamless and hygienic. We offer various application system techniques to cater to diverse requirements while also delivering on aesthetic and hygiene criteria.

Especially in areas such as public health areas, the floor standards must fulfill specific requirements that can offer hygiene, safety and durability. This kind of facilities require floor coating systems that withstand extreme operating conditions. The factors of constant traffic along with mechanical loads and cleaning agents contact, can affect floors, making the decision of the installation of rigid floors with excellent abrasion resistance mandatory.



Project Requirements

These specific sub ect reference pro ect took place in the facilities of the new constructed Cancer Center in Kuwait. The facilities re uired the installation of a flooring system that could withstand high traffic, offer high chemical resistance and maintaining non-slip properties. Great of importance was the need of a seamless durable floor without cracks or oints in order to avoid the e istence of bacteria above the floor. n addition, the floor system should accommodate all the mechanical stresses from the loads in the storage areas but also to withstand the temperature differences that were caused from the operation of the free ers.



ALCHIMICA SOLUTIONS

Taking into consideration the specific high standards for a seamless, chemical and slip-resistant floors, the polyurethane industrial flooring system based on HYPERDESMO®-Classic and HYPERDESMO®-ADY-810 was chosen as a high performance and durable solution, offering at the same time a wide operating temperature window. This choice was ideal for center's storage rooms . The floor system offers an easy to clean surface that withstands the chemical impact of the detergents and cleaning materials providing a hygienic environment and most important safety for the staff with its slip-resistant properties. Moreover, the system guarantees the resistance to deterioration and the stresses from the high traffic and loads offering the highest durability. Moreover, for the waterproofing of wet areas HYPERDESMO®-SWR was used for sealing and protection and WATERFOAM-1K-LV for crack hole sealing.







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